

CALM VIEW URGED ON SCIENCE STUDY

Train More Engineers, but
Stop 'Hysteria' About Russia,
Dr. DuBridge Advises

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24—This nation was advised today to take steps to increase and improve its supply of scientists and engineers. But it also was urged to stop getting hysterical over reports that "the Russians are ahead of us."

The admonitions came from Dr. Lee A. DuBridge, president of the California Institute of Technology, at a conference in connection with a meeting of the National Committee for the Development of Scientists and Engineers. The committee, established two months ago by President Eisenhower, met here under the auspices of the Thomas Alva Edison Foundation.

Dr. DuBridge, who was one of several speakers, said:

"It is true that in Russia more men and women received degrees in science and engineering last year than in the United States.

"So what? Maybe that is because in the last 100 years they have so neglected their technical strength that they must now exert strenuous efforts to build it up.

"If this is true, then our rate of production should not be determined by their weaknesses—only by our own. Let us ask how many engineers we need to do our job, and not take over their figures or the numbers they require to do their job."

Strong Competition Noted

Clifford C. Furnas, Assistant Secretary of Defense for Research and Development, told the conference that in military technology "we are confronted by a strong and capable competitor."

"This means," he asserted, "that until we can devise some form of world organization or agreement between nations that will guarantee peace, our national security—in fact, our very survival and that of the free world—depends upon maintaining a technological position that cannot be safely challenged.

"This requires that throughout the cold war period we muster science and technology, not on just one front and not for just a particular year of peril, but for what may very well be a period of years, not for just military but for civil activities.

Dr. Herbert Scoville Jr., assistant director of the Central Intelligence Agency, said that both the United States and Russia had at present a scientific manpower force of 1,200,000 persons. However, if present trends should continue, he said, by 1960 Russia will be turning out 155,000 scientific graduates a year, while the United States will be graduating only 125,000.

At the conference's dinner session at the Essex House in Newark, Dr. Charles B. Jolliffe, vice president and technical director of the Radio Corporation of America, urged greater use of women in engineering and other science fields as one way to alleviate the current shortage.

He said that in Russia about 20 per cent of the engineers were women, compared with 1 per cent in the United States.

The council will hold a closed meeting tomorrow in West

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